

EXPRESSION OF INTEREST

ARCHITECTURAL &
ENGINEERING SERVICES
FOR WEST VIRGINIA STATE
UNIVERSITY DAVIS FINE
ARTS CENTER





WEST VIRGINIA
STATE
UNIVERSITY



Edward Tucker
ARCHITECTS, INC.



Scheeser
Buckley
Mayfield



schæfer



Edward Tucker
ARCHITECTS, INC.

1401 Sixth Avenue
Huntington, West Virginia 25701

304.697.4990 (T)
304.697.4991 (F)

eta@etarch.com
etarch.com





CONTENTS

- 01** COVER LETTER
- 02** FIRM PROFILE & CORE VALUES
- 03** PROJECT TEAM
- 04** RELEVANT EXPERIENCE
- 05** REFERENCES
- 06** RESUMES



COVER LETTER





West Virginia State University
ATTN: Jerry Rush, Director of Purchasing
500 Fairlawn Avenue
Ferrell Hall Room 302
Institute, WV 25112

RE: A & E Services - Davis Fine Arts Center – AEOI – WSC240000001

Dear Mr. Rush:

Enclosed for the selection committee's consideration is Edward Tucker Architects' Expression of Interest to provide architectural and engineering services for West Virginia State University

The team we have assembled has a long history of collaborating on projects, with extensive experience in higher education facility maintenance and renovation projects.

ETA has a long history collaborating with GAI as landscape architects and civil engineers (over 10 years), Scheeser, Buckley, Mayfield as building system engineers, and Schaefer as structural engineers (over 25 years with each). These firms each bring their own strengths and expertise to the team.

Our team has experience working with WVSU on the successful renovations to the F. Ray Power Building on campus. I believe we are the most qualified and capable firm to assist in this effort. As you can see from our enclosed project experience, we have demonstrated many times our abilities to deliver projects on time and within budget during our 28 years of practice.

We hope to be granted an interview to discuss with you firsthand our commitment to this endeavor. We hope to continue to be the go-to architectural and engineering resource for West Virginia State University.

Sincerely,

EDWARD TUCKER ARCHITECTS, INC.

A handwritten signature in black ink that reads "phoebe p. randolph". The signature is written in a cursive, lowercase style.

Phoebe Patton Randolph, AIA, LEED AP BD+C



FIRM PROFILE &
CORE VALUES



FIRM PROFILE

Our firm's reputation was established through high quality design & service delivered by our talented, accomplished professionals.



Edward Tucker Architects, Inc. (ETA) is a full-service, 10 person firm located in Huntington, West Virginia with a heritage dating back to 1910. We provide feasibility & planning services, architecture, interiors and contract administration. Our award-winning, multi-disciplinary staff has expertise in a wide range of facility types for valued public and private clients across the region, including health care, higher education, K-12 academic, industrial, research laboratories, museums, churches, libraries, civic buildings and private commercial projects.

The foundation of our firm is the relationships we build with our clients. Our attention to detail, level of service, and the added value we bring to each project has resulted in many loyal, repeat clients. By respecting each project's unique constraints and opportunities, we provide innovative, responsive, and beautiful architectural design solutions.

Founding principal, Edward Tucker, FAIA, has built a culture of inclusiveness and collaboration since the firm was founded in 1996. The firm includes five architects who are supported by architectural interns, two interior designers, and office administration. Every person in the firm contributes their creativity, knowledge, and expertise to projects. Phoebe Patton Randolph, AIA serves as the managing partner of the firm.

We enjoy collaborating with other design firms and maintain long-standing relationships with a network of accomplished consultants in the fields of civil, structural, mechanical engineering, as well as plumbing and electrical design. We stay completely and continually engaged – from schematic design through construction – ensuring an intelligent, coordinated project experience.

Our firm has a history of commitment to community and economic development in the region where we practice, and where we have chosen to live and raise our families. We believe in the potential of our region, and are dedicated to serving as a resource for smart growth and development through community service.



CORE VALUES

We believe that innovation is the key to progress. In the right hands, well-designed buildings have the power to change lives.

MOTIVATING PEOPLE FOR THE LONG TERM. CREATING A GREAT PLACE TO WORK..

ETA has very little employee turnover, which is unusual in the design and construction industry. We hire critical thinkers who are energized by new knowledge, concepts, and techniques. Our firm culture emphasizes collaboration, mentoring, and exploration, and while we have extensive experience in some project types, we thrive on new challenges.

TEAMING FLEXIBILITY. ALIGNING EXPERTISE AND THE BEST PEOPLE.

Based on each project's size, type, and complexity, we carefully select the best and most appropriate engineering and consultant team members. Understanding that some projects need design consultants with specific experience, we will partner with other firms when appropriate for optimum results.

OPEN COMMUNICATION. "FOR THE COMPANY DIRECTORY, PLEASE DIAL ..."

We strive to ensure that a real person will always take your call so clients can expect responsive, accessible, and attentive people, not message services. We offer timely, relevant responses to our clients' needs, usually in less than 24 hours. One of our two principals is always available to answer questions, listen to concerns, and discuss projects.

ETA conducts client and project group meetings to explore and identify project design needs. Following design reviews, we share a written record of decisions with team members to ensure that everyone is consistently informed. This communication process ensures a complete record of goals and decisions to guide and evaluate project outcomes.

RESPONSIBLE COORDINATION. GETTING IT RIGHT THE FIRST TIME.

ETA's office structure is much more "horizontal" than typical design firms. Our office culture encourages collaboration at all levels, from exploring design solutions to detailing construction documents. While each team member is responsible for specific elements of work, all team members work together and share responsibility for a project's success. Through close communication and technical expertise, our employees create drawings and specifications that provide a cohesive design for each project site, structure, and systems to guide them successfully from design through construction.

CONSISTENT LEADERSHIP FROM BEGINNING TO END. WHEN TEAM MEMBERS CHANGE, PROJECT QUALITY SUFFERS.

At ETA, once a leadership team is established, it stays in place – from concept through construction to occupancy. Staff may be added to the team, should the project require it, but the core team of principal and project architect will not change. This continuity ensures good communication to maintain the project vision.

SPECIALIZED APPROACH: NO TWO PROJECTS – OR CLIENTS – ARE ALIKE. EACH PROJECT DESERVES A UNIQUE, TAILORED DESIGN SUITED TO ITS CIRCUMSTANCES.

When a firm says it has designed dozens of banks, schools, or clinics, it can mean that the same prototypical designs are being used over and over. At ETA, we thoroughly examine each project's site, context, budget, parameters, and other client needs. These factors define the work to be done. We study design exemplars and conduct research of, or travel to, recently completed facilities to ensure best practices for each project. This pre-design exploration helps establish a common language leading to desirable outcomes.



AIM WELL.

TOO MANY PROJECTS FOLLOW THE ALL TOO FAMILIAR PATTERN OF “READY – FIRE – AIM.”

ETA works diligently with our clients to question, explore, research, and ultimately reach consensus on project goals and objectives prior to beginning design work. The alignment of goals, planning, budgeting, discovering issues to be resolved, prioritizing, and scheduling all contribute to the pre-design phase. When the target is well defined before the design work begins, a “well aimed” design is much more likely to hit the target.

DOING THE RIGHT THING, ASKING THE RIGHT QUESTIONS.

IF THE ARCHITECT DOES ALL THE TALKING, HOW CAN THEY LEARN ABOUT YOU AND YOUR PROJECT?

ETA listens to our clients and other stakeholders. We investigate and obtain objective data to provide informed and insightful options or solutions. We resist saying we can’t do something until all options have been explored, and we always look for ways to do the right thing for the long term. We consistently work to solve problems and create a sustainable project with a lasting sense of identity.

CONSTRUCTION: STAYING ON TARGET TO THE END.

WHY THE ARCHITECT’S LEADERSHIP DURING CONSTRUCTION IS VITAL.

ETA believes the project architect is the best person to perform construction administration, because they are most intimately familiar with the project’s overall goals. On-site project meetings are typically held every two weeks to monitor progress, address questions, and resolve issues. Meetings are documented with detailed notes that include action items. Our specific protocols for construction administration have earned the respect of both our clients and the construction community. We routinely hold our errors and omissions to less than one percent (< 1%) of construction costs.

BUDGET, QUALITY LEVEL AND SCHEDULE.

WILL THE PROJECT COME IN ON BUDGET?

ETA works with clients to establish accurate funding and budget scenarios based on three key components: budget, quality, and schedule. We provide construction estimates using our own project histories, plus state and national databases. We clarify construction vs. total project budgets. For traditional design-bid-build projects, our database of actual construction costs helps us refine construction documents to stay within budget. We work closely with contractors and subcontractors to stay in tune with bidding and cost climate forecasts in the project’s geographical area.



PROJECT TEAM



ORGANIZATION CHART

The enclosed resumes and project experience information illustrate our qualifications. All project architects and engineers are licensed to practice in West Virginia. LEED certifications are indicated below..



ETA STAFF ROLES & RESPONSIBILITIES

PHOEBE PATTON RANDOLPH, AIA, LEED AP BD+C - PRINCIPAL IN CHARGE, PROJECT MANAGER,
DESIGN TEAM LEAD
OWNER'S CONTACT PERSON - (304) 697-4990, PPR@ETARCH.COM

EDWARD TUCKER, FAIA
PRINCIPAL EMERITUS, SPECIFICATIONS & QUALITY CONTROL

GEORGE "EDDIE" BUMPUS, AIA
SENIOR ARCHITECT

PROJECT TEAM ROLES & RESPONSIBILITIES

GAI COMMUNITY SOLUTIONS GROUP
JAMES YOST, PLA, ASA, SENIOR LANDSCAPE ARCHITECT
JEREMY YOUNG, PE, CIVIL ENGINEER

SCHAEFER
LARA STROUP, PE, STRUCTURAL ENGINEER

SCHEESER BUCKLEY MAYFIELD
MARLON HATHAWAY, PE, LEED AP, RCDD VICE PRESIDENT-ELECTRICAL ENGINEER
VINCE FIELDER, PE, LEED AP, PRINCIPAL, MECHANICAL ENGINEER
JOE HARLESS, RCDD, TECHNOLOGY DESIGNER



Since 1959, Scheeser Buckley Mayfield has been a well-respected regional engineering firm serving Ohio and surrounding states. SBM provides cost-effective and innovative designs, working closely with our clients to fully understand their needs. Our goal is to enhance people's lives through effective engineering.

What are we known for?

SBM is known for repeat clients, solving problems, and producing designs with the future in mind. We build relationships and systems that last.

We pride ourselves on communication and responsiveness – talking things through and getting answers. We pay attention to the details along the way. We solve problems before they become problems. We really listen to our clients. Why? To provide designs that are simply better.

We give our clients choices. We work within budget, so there are no surprises. Your project becomes our project. Your passion becomes our passion. And, yes, your problems become our problems. But, we actually like that. Because we are excellent at solving problems.

DESIGN SERVICES

Mechanical • Electrical • Site Civil • Technology

SPECIALTY SERVICES

Fire Protection • Forensic • Commissioning

CORE MARKETS

Health Care	Government	Commercial
Higher Education	Corrections	Religious
K-12	Central Plants	Industrial



SBM enhances lives through effective engineering.



**PASSIONATE
PEOPLE**



**COLLABORATIVE
COMMUNICATION**



**PRODUCTIVE
PROBLEM
SOLVING**



**EXCEPTIONAL
ENGINEERING**

At SBM, our greatest asset is our staff.

Our employees are passionate about what they do. Our firm is small enough to offer individualized attention to each client, yet large enough to successfully complete complex, large-scale projects.

Our production departments consist of mechanical, electrical, site civil and technology engineering teams, complemented by a knowledgeable drafting department and conscientious support staff. Our principals are hands-on, mentoring our less-experienced engineers and providing a wealth of information to our clients. Each of our projects includes principal involvement throughout design and construction. They enjoy rolling up their sleeves and working directly with owners, architects, and contractors to develop solutions.

SBM's engineers truly care about what they do. They share the mindset of fully understanding the 'why' behind a building before determining the 'how' to make its systems work. Because understanding the 'why' results in a better design, a better system, and a better facility.

When we work with you, our team becomes your team. We're pretty impressed with them. We know you will be, too.



SBM has professional engineers registered in 15 states.

Scheeser Buckley Mayfield

Yes, we know it is a lot to say. But, those names have meaning, especially to those who know and admire the men behind them. Walt Scheeser and Ned Buckley formed a partnership for mechanical engineering over six decades ago – back when tools of the trade included T-squares and slide rules. After determining the need for an electrical engineering department, Rex Mayfield's company merged with them in 1987 to form Scheeser Buckley Mayfield.

SBM's founders stressed integrity, hard work, and building relationships. These ethics have sustained us and made us successful. We know they will continue to do so for the next 60 years and beyond.



Scheeser Buckley Mayfield offers cost-effective and innovative solutions by designing systems that do the job they are intended to do. Ten principals and two senior associates, licensed in a total of 15 states, lead our team.

Scheeser Buckley Mayfield has a staff of 37:

- 26 Engineers overall, 14 of whom are Professional Engineers (PEs)
- 15 Mechanical Engineers, 9 of whom are Professional Engineers (PEs)
- 10 Electrical Engineers, 4 of whom are Professional Engineers (PEs)
- 1 Civil/Plumbing/Fire Protection Engineer, who is a PE

Staff Certifications:

- 7 LEED Accredited Professionals (LEED AP), 1 of whom is a LEED Accredited Professional Building Design and Construction (LEED AP BD+C)
- 5 Certified Commissioning Agents (CxA)
- 1 Healthcare Facility Design Professional (HFDP)
- 2 Registered Communications Distribution Designers (RCDD)
- 1 Certified Energy Manager (CEM)

Additional staff include administration and production employees.



SBM has developed long and successful relationships with dozens of colleges, universities, and technical schools. We have completed over 500 higher education projects in our 60+ years of practice. These cover everything from small mechanical and electrical renovations to multi-million-dollar buildings. Experience with many types of education buildings, such as residence halls, research laboratories, medical schools, libraries, and athletic facilities, enable our team to ensure the services and design concepts delivered are applicable to the project at hand. We have developed many plant and distribution infrastructure projects for campus utilities such as power, steam, chilled water, technology, and controls. For many education clients, we have performed studies and scope validation plans for master planning and budgeting. Our engineers are sensitive to academic calendars, and to the review processes necessary to successfully get projects approved and funded by institutional leadership.

firm profile

view our work at schaefer-inc.com

schaefer

We are open-minded in our approach + thinking — thought leaders with diverse experience.

Our clients partner with us for our collaborative structural engineering services: planning, design, inspection, investigation.

- > 90+ team members
- > Licensed in EVERY state
- > 15+ years into full implementation of BIM
- > Founded in 1976, offices in Cincinnati + Columbus, Ohio, and Phoenix, Arizona

We believe in collaborative teams — partnership with owners, architects, developers + construction team members.

With a creative approach supported by an understanding of market trends, we can design adaptive structures that meet owners' needs. Our people enhance communities through smart, innovative structures.



CINCINNATI OFFICE

513.542.3300

537 East Pete Rose Way, Suite 400, Cincinnati, Ohio 45202



COLUMBUS OFFICE

614.428.4400

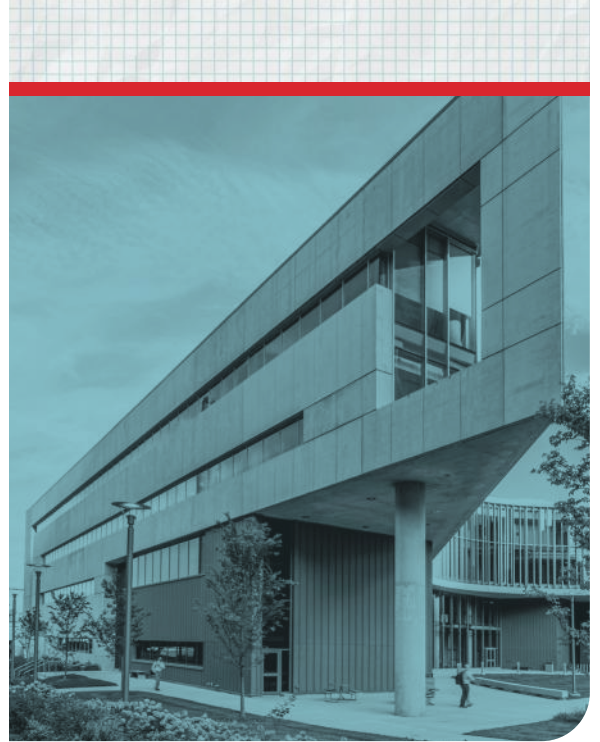
937 West 3rd Avenue, Columbus, Ohio 43212



PHOENIX OFFICE

602.362.1100

2800 North Central Avenue, Suite 1250, Phoenix, Arizona 85004



FIRM OVERVIEW

WHO WE ARE



Transforming ideas into reality® since 1958, **GAI Consultants, Inc. (GAI)** is a planning, engineering, and environmental consulting firm that

provides local expertise to worldwide clients in the energy, transportation, development, government, and industrial markets. Through growth, acquisition, and much success, GAI currently has approximately 900 employees, serving clients from 27 office locations throughout the Eastern, Midwestern, and Southern United States.

As a multi-faceted and full service firm, GAI is actively investing in strengthening our position in to better serve the state of West Virginia. Our carefully selected team includes staff located in West Virginia who have a complete understanding of local policies, procedures, and protocol—as well as thorough knowledge of the scope of work and the goals of West Virginia State University in Institute, West Virginia. Our goal is to maintain and solidify a working relationship, exceed your expectations, and keep open lines of communication with the university.

GAI's accomplished specialists are dedicated to earning our clients' trust—they approach every initiative with enthusiasm and integrity, delivering multifaceted services to meet the greatest challenges.

WHAT WE DO

We specialize in providing professional engineering and landscape architecture services as the prime consultant, drawing upon a unique blend of in-house experts and technicians, and utilizing specialty sub-consultants as necessary to meet the project's individual work assignment requirements. From feasibility studies to concept design to final design/permitting—and through construction implementation—GAI's ability to meet your needs is second to none.

**COMMUNITY
SOLUTIONS
GROUP**

GAI'S COMMUNITY SOLUTIONS GROUP

As part of GAI, our specialized **Community Solutions Group**

(CSG) practice combines with the broad knowledge of our engineering and environmental consulting firm to offer services in Landscape Architecture, Planning, Urban Design, Economics, and Management Consulting. CSG is an idea-driven, strategic consulting practice integrating design, planning, and economics. We are committed to enhancing communities in ways that are practical, sustainable, and authentic to our clients' needs, while being politically aware, financially feasible, and aesthetically compelling.

With GAI, our most successful work has been as a result of the integration of "horizontal infrastructure", solving technical challenges together in order to create places for people that build value over time. The linkage of design, engineering, planning, economics, and environment is what sets us apart and allows us to realize our passion: Working with Partners to Create Community.





You spent many hours listening to what the faculty needed to deliver quality experiences to our students, and you took that information and developed a very comprehensive program. Your design that came from the program is beautiful and functional, and the Visual Arts Center is a masterpiece.

Our partnership with your firm was a rewarding experience for all of us at Marshall University. Thank you!



Dan Van Horn
Former Dean, College of Arts & Media, Marshall University



RELEVANT
EXPERIENCE



HIGHER EDUCATION
/RESEARCH LABORATORY

West Virginia State
University, F. Ray
Power Building

INSTITUTE, WEST VIRGINIA

Design Team: Scheeser Buckley Mayfield, Inc.



WV State University acquired the F. Ray Power Building, which had been vacant for some time, and rehabilitated the structure as their new Agricultural Research Station.

The F. Ray Power Building was formerly a part of the WV Division of Rehabilitative Services Complex, which was vacant for many years prior to becoming part of the West Virginia State University campus. The 33,300 sf building was renovated into an Agricultural Research Station, including wet labs, offices, and multipurpose instructional spaces.

The project was completed over four phases. The first phase consisted of providing temporary electrical power, lighting, and general clean-up of existing interior spaces consisting primarily of offices and related support spaces. Phase

two consisted of selective demolition of existing interior spaces. The work was a preparatory phase to facilitate building evaluation and eventual renovations. Hazardous materials abatement was also completed by the Owner at this point.

Phases three and four consisted of roof replacement, storefront window replacement, interior walls, doors, interior finishes, chemical fume hoods, walk-in refrigerator, commercial and laboratory grade casework. The Systems scope of new work included Mechanical, Electrical, Plumbing, Fire Protection, and IT/Data infrastructure.



PUBLIC

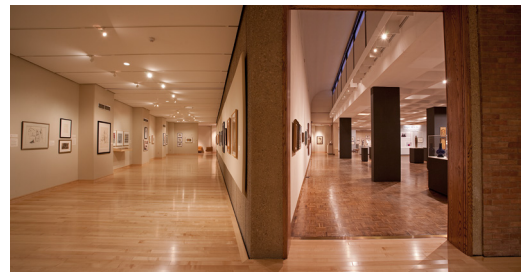
Huntington Museum of
Art Isabelle Gwynn and
Robert Daine Gallery
Addition

HUNTINGTON, WEST VIRGINIA

2011 AIA WV Merit Award for Achievement in Architecture



Built in the 1950's, the original Museum's size doubled when gallery and studio additions designed by Walter Gropius with The Architect's Collaborative were added in 1968.



In 2008, a private endowment provided funding specifically for an addition to display the Museum's collection of works on paper and to provide an expansion of the vault storage areas.



PUBLIC

Huntington Museum
of Art Isabelle Gwynn
and Robert Daine
Gallery Addition, cont.

2011 AIA WV Merit Award for Achievement in Architecture



The new gallery addition wraps around the base of a Gropius designed clerestory light monitor form. As the quarter-round “vault” shape is an iconic architectural element, the roof of the new gallery was placed below and aligned with the monitor, keeping it as a dominant exterior feature. With the long dimension defining an edge of the redesigned courtyard, the new gallery’s linear plan returns to open at each end into an existing gallery space.

The Museum wished to take advantage of the view of the courtyard and Gropius Studios beyond, so the Architects responded by pushing a skewed window form outward to focus views on the center of the courtyard. Because of strict light exposure restrictions for works on paper, an anteroom is formed around the window to help block direct daylight into the gallery space, but also to create an intimate place of respite.



HIGHER EDUCATION
ADAPTIVE REUSE

Marshall University Visual Arts Center

HUNTINGTON, WEST VIRGINIA

2015 AIA WV Honor Award for Excellence in Architecture



Edward Tucker Architects intensively researched various university visual arts programs around the country to inform the design process for Marshall University's new Visual Arts Center in Huntington's historic district.

Close attention was paid to create spaces that facilitate student and faculty interaction and a sense of community within the building. Presented with a complex program that required more space than was available in the building, the Architects worked closely with faculty to determine their needs and identify critical adjacencies and opportunities for shared space. Then, carefully fitting together the pieces of the puzzle, more than ten versions of space planning / stacking schemes were explored,

refined and ultimately resolved. The solution creates consistent floor to floor patterns yet elegantly resolves the complex and varied departmental needs, all within the historic building's context.



HIGHER EDUCATION /
RESEARCH LABORATORY

Marshall University
Stephen J. Kopp Hall

HUNTINGTON, WEST VIRGINIA

In collaboration with Signet Real Estate & Perkins + Will
Design Team: Schaefer, Inc.; Scheeser Buckley Mayfield, Inc.



Marshall University chose to relocate its growing School of Pharmacy to its health science campus in Huntington, in addition to developing graduate housing. The creation of what is essentially a living learning community for medical students is a valuable recruiting and retention tool for the university.

The 50,000 square foot school of pharmacy program includes a variety of learning environments, including active learning classrooms, simulation learning labs, administrative offices, and research space. The classrooms were designed with moveable furniture, demountable walls and built-in technology for maximum flexibility. The research labs, previously siloed, are now co-located into one large space to encourage research partnerships.

Quiet study pockets are located at various instances in the building. Some smaller learning spaces were designed to multi-function as study rooms after school hours – maximizing efficiency while providing for all needs in the building. On all floors, the learning spaces and administrative spaces are organized along a primary causeway with writable surfaces and seating to maximize collaboration and engagement between faculty, students and staff.



HIGHER EDUCATION
HEALTHCARE

Translational Genomic
Research Institute
MU Joan C. Edwards
School of Medicine
HUNTINGTON, WEST VIRGINIA

Edwards Comprehensive Cancer Center



This 10,000 square foot suite in the Edwards Comprehensive Cancer Center is a build-out of remaining shell space dedicated to cancer research and clinical trials personnel.

Challenges included fitting traditional wet bench laboratory spaces within the non-rectilinear plan, adding central lab water, gas and HVAC infrastructure, and managing construction staging within a health care environment. Due to an unusually high existing floor to ceiling space, the Architect identified an opportunity for a mezzanine open work area that also takes advantage of daylight for Clinical Trials staff. Edward Tucker Architects provided programming, lab planning, design and construction administration services.



Current State Context: Building Condition Ratings



ETA worked closely with lead planners Ayers Saint Gross throughout the campus planning process to provide local perspective, as well as completing facility condition assessments and flooding assessments.

ETA worked together with Marshall's facilities and maintenance staff to complete facility condition and deferred maintenance assessments for 17 buildings on the university's main and satellite campuses. This work involved a detailed evaluation of each facility to score them relative to 20 categories.

Core Campus Priority Project: Flooding Interventions



ETA worked closely with Marshall's Director of Physical Plant to evaluate stormwater flooding impacts on the main campus. The team worked to compile and digitize existing mapping collected from multiple sources, including the Huntington Sanitary Board and ETA archives documenting existing stormwater infrastructure dating back to the 1920's.

The team worked together to develop strategies to address critical stormwater infrastructure needs through a phased approach.



Campus Switchgear Upgrades

Columbus, OH

PROJECT DETAILS:

- Upgrades
- \$1,500,000

SERVICES PROVIDED:

- Electrical



This project included service entrance and switchgear/switchboard upgrades to six buildings on the CSCC campus. Interior building electrical equipment was also assessed for potential replacement throughout the remainder of these buildings. There were no drawings for the underground campus tunnel, medium voltage loop, or any of the buildings. Scheeser Buckley Mayfield provided extensive field investigation to determine how each of these buildings is connected to the campus primary distribution.

Each building had a completely different layout and required unique considerations and solutions. Cutovers were carefully scheduled to eliminate or reduce building down time, ensuring power outages and rework was done at the convenience of the facility staff. The police station, dean's office, and data center were among the buildings that were affected and had to be coordinated.

Each building was fed from an existing medium voltage underground loop that feeds from one building to another. Incoming underground medium voltage cables terminated on one of two sets of terminators on the primary side of existing underground oil-filled loop type transformers. These transformers were located in underground indoor and/or outdoor vaults. Medium voltage cables connected to the second set of primary terminators exited the vault underground to feed the next building. Multiple low voltage secondary feeders all connected to the same terminals, then exited the vault from the transformers below grade to feed older existing switchboards at various nearby buildings/locations. Some of the main service entrance switchgear was dated and needed replaced.

There was no way to turn off power to an individual building without several buildings losing power at the same time. New loop-fed 15kV switchgear containing multiple switches are to be installed in or near each vault. These switches will refeed the new transformers serving each individual building. This allows each building to be turned off and isolated. New secondary conductors were run from new transformers and terminate on new service entrance switchboards.

New branch circuit panels up to 225A (480/277V or 208/120V, 42 circuit, three phase, four wire) were installed to replace existing panels at various locations throughout each building, as the budget allows. Existing loads will terminate in new panels in the circuit breaker location.

Grover Center Renovations

Athens, OH

PROJECT DETAILS:

- Addition & Renovation
- 54,240 sq. ft.
- \$7,000,000
- LEED Silver Certified

SERVICES PROVIDED:

- Mechanical
- Electrical
- Plumbing
- Technology
- Fire Protection



This buildout project included a renovation to create new nursing simulation spaces, classroom spaces, open lecture auditorium space, demonstration kitchen, exercise facilities and athletic training labs.

The mechanical design included the demolition of two constant volume air handling units serving the existing gymnasium. With the addition of a new floor in the gymnasium, a new variable air volume (VAV) air handling unit was installed utilizing variable air volume terminal units with hydronic reheat coils to provide individual space comfort control. A new steam to water heat exchanger was installed to serve the VAV. Existing dual duct and constant volume air handling unit systems were reused to serve the renovation areas.

The test kitchen was designed utilizing a common fan connecting all hoods controlled through a Halton Marvel system, along with a new makeup air unit. The electrical design included lighting/power/systems for all of the spaces. LED technologies were designed for the lighting and also incorporated the installation of a lighting control system. New power distribution was provided to support the new HVAC units and mechanical systems, while existing low voltage distribution was reused to minimize project costs. Telecommunications included layout of structured wiring per Ohio University IT requirements. Scheeser Buckley Mayfield provided for interface with nursing simulation IT requirements designed by an outside provider.

project

higher education

School of Osteopathic Medicine

LEWISBURG, WEST VIRGINIA

West Virginia School of Osteopathic Medicine (WVSOM) provides a cutting edge clinically integrated approach to education. The \$3.1 million addition to the Gross Anatomy Lab added 8,000 sq ft to the Frederic W. Smith Science Building and houses thirty new anatomy lab work stations and a multi-purpose anatomy demonstration room. The Admissions Center addition is a single-story 3,750 sq ft steel framed office building.

After the expansion project, Schaefer provided the structural design for the \$9.3 million center, a teaching facility that includes classrooms, labs, offices and meeting space. The new center will be used exclusively as an instructional facility, with over 19,000 sq ft of space to accommodate a new simulated patient robot lab as well as a multi-purpose clinical training space and offices. The building is a single-story facility with a steel-framed roof and load-bearing masonry walls.



- > 8,000 sq ft addition to Frederic W. Smith Science Building
- > 3,750 sq ft Admissions Center
- > 19,000 sq ft Clinical Evaluation Center

project

higher education

Health Sciences

CINCINNATI, OHIO

Standing in place of the demolished Wherry Hall and Radiation Safety Building, the new, four-story with partial basement University of Cincinnati Health Sciences Building is the new home of the College of Allied Health Sciences, and houses administrative office space, faculty offices, classrooms, and interdisciplinary space. The 116,900 sq ft building was designed to accommodate both new programs and increased student enrollment projections for the college.

The Health Sciences Building was constructed with cast-in-place reinforced concrete. Two-way flat slabs form the floors and roof, with beams utilized where needed for cantilevers and load transfers. An atrium separates the north and south wings of the building; structural steel frames the dramatic clerestory over the atrium, and two bridges span the atrium to connect all of the levels.



- > 116,900 sq ft
- > \$38 million
- > Awards | Engineering News Record 2020 Midwest Awards, Award of Merit (Higher Education/Research); AIA Chicago 2020 Design Excellence Award; World Architecture News Awards Education Category Finalist; USGBC Ohio Leadership Award Green Building of the Year—New Construction, Honorable Mention



MARSHALL HEALTH NETWORK ARENA ENTRANCE PLAZA RENOVATION

HUNTINGTON, WEST VIRGINIA

As part of an effort to expand the usefulness of a regional arena and meeting space, the City of Huntington engaged GAI's Community Solutions Group (CSG) and Ed Tucker Architects to envision the future of the Huntington Civic Arena. CSG led the master planning and design effort for the renovation of the entrance plaza to the building. The existing plaza, a large, empty expanse of concrete, offered a blank slate for the design team to create a true community asset.

The final design offers multiple amenities which are meant to enhance the visitor experience at concerts, conventions, and other community events. Conference spaces were expanded to include outdoor space. For concert-goers, the plaza includes a covered stage for entertainment before the main event. Gathering spaces such as a fountain, firepit, and seating areas were also included to accommodate community events.

CLIENT

City of Huntington

PROJECT TEAM

GAI Consultants, Inc.

Edward Tucker Architects

SERVICES

- Landscape Architecture + Design
 - Urban Streets + Special Places
- Civil/Site Engineering
- Stormwater Design
- Permitting
- Construction Administration



MARSHALL UNIVERSITY FACILITIES MASTER PLAN

HUNTINGTON, WEST VIRGINIA

GAI Consultants, Inc. was retained, along with our partners at Ayers Saint Gross (Prime), Edward Tucker Architects (Prime), and CMTA (subconsultant), to complete a Facilities Master Plan for Marshall University in Huntington, West Virginia.

As part of the team, GAI was tasked with developing a comprehensive transportation and mobility plan for the main campus, surrounding roadways, and select satellite campuses. Concepts included expansion of internal campus pathways to better accommodate pedestrian and cyclist movements while improving bike facilities for future bike share programs. Through public comment, the campus edges of Hal Greer Blvd., 3rd Avenue, and 5th Avenue were safety concerns of staff and students. GAI reenvisioned the roadways to provide safer access to campus, allowing for improved parking, and enhanced transit facilities for daily riders.

Additionally, GAI developed a stormwater management review and action plan to deal with existing flooding issues within the downtown campus. Our team prepared a phased approach to mitigate regular storm events from impacting the educational facilities along 3rd Avenue.

CLIENT

Marshall University (MU)

COMPLETION DATE

2023

PROJECT TEAM

GAI Consultants (Subconsultant)

Ayers Saint Gross (Prime)

Edward Tucker Architects (Prime)

CMTA (Subconsultant)

SERVICES

- Transportation Planning + Design
 - Bike/Pedestrian Systems
 - Roadway Planning
 - Transit Integration
- Site/Civil Design
 - Utility Analysis
 - Stormwater Intervention Planning
 - Flood Analysis



REFERENCES



REFERENCES

The relationships that we build with our clients are the most valued part of the work that we do.

Bluefield State University

RONALD HYPES, CHIEF FINANCIAL OFFICER
(304) 327-4040

Marshall University

BRANDI JACOBS-JONES, V.P. OF OPERATIONS
(304) 691-1712

Marshall Health

BETH HAMMERS, CEO
(304) 691-1712

Marshall Health Network

DR. KEVIN YINGLING, CEO
(304) 781-4292

Cabell Huntington Hospital

TIM MARTIN, COO
(304) 526-2205

City of Huntington, West Virginia

CATHY BURNS, PLANNING AND
DEVELOPMENT
(304) 696-5540 EX 2026

Cabell County Schools

DR. RYAN SAXE, SUPERINTENDENT
(304) 528-5043

Coalfield Development Corp.

NICK GUERTIN, SENIOR DIRECTOR
REVITALIZA APPALACHIA
(304) 501-6033

Village of Barboursville, WV

CHRIS TATUM, MAYOR
(304) 736-8994

Cabell County Public Libraries

BREANA BOWEN
(304) 528-5700

Huntington Federal Savings Bank

MATT WAGNER, PRESIDENT
(304) 528, 6200



RESUMES



HAROLD EVERETT "HAL" GREER

Phoebe Patton
Randolph
AIA, LEED AP BD+C
Principal
Architecture



Phoebe Patton Randolph oversees the design and delivery of the firm's projects including healthcare, higher education, K-12, library, museum, civic and essential services. She applies her knowledge of building science, adaptive reuse, historic preservation, technical integration, and construction to the firm's work.

BIOGRAPHY

Graduating from high school at the age of 16, Phoebe attended the University of Tennessee, Knoxville's College of Architecture and Design and received her Bachelor of Architecture degree at the age of 21. She returned home in 2003 and has been committed to the revitalization of Huntington and the surrounding region ever since. Through her work at Edward Tucker Architects, as well as extensive involvement in the community as a volunteer, Phoebe has developed strong connections to state and local agencies, organizations and community leaders. Elected by her peers as the first female president of the West Virginia Chapter of the American Institute of Architects in 2016, her work has been recognized through multiple design awards.

EDUCATION

University of Tennessee

Knoxville, Tennessee

Bachelor of Architecture, 2000

Faculty Design Award – 2000

School of Architecture Letter of Excellence – 2000

Krakow Polytechnic University

Krakow Poland

Architecture and Urban Design, Spring Semester 1999

Pratt Institute

Brooklyn, New York

Pre-College summer program in Architecture - 1994

REGISTRATIONS

National Council of Architectural Registration Boards

West Virginia

Green Building Certification Institute

LEED AP BD+C

PROFESSIONAL AFFILIATIONS

American Institute of Architects, West Virginia

Chapter

President 2016-2018

Scholarship Committee (Current Chair) 2009-Present

PROJECT EXPERIENCE

Marshall University

2023 Campus Plan with Ayers Saint Gross

Visual Arts Center, Downtown Huntington, WV, 2014

2015 Honor Award for Excellence in Design - AIA West Virginia

School of Pharmacy at the Robert Coon MEB, 2012

Bluefield State University

Medical Education Center - Renovations for the College of Allied Health, Bluefield, WV, 2024

Phased Renovation - In Design

Signet Real Estate

Marshall University Stephen J. Kopp School of Pharmacy, 2019, with Perkins + Will

Marshall University School of Medicine

Teays Valley Medical Center, Scott Depot, WV, 2017

Robert C. Byrd Rural Health Clinic, Chapmanville, WV, 2012

2013 Merit Award for Achievement in Architecture - AIA West Virginia

Erma Ora Byrd Clinical Education & Outreach Center, 2007

Cabell County Public Libraries

A New Library for Barboursville, 2022

2022 Merit Award for Excellence in Sustainable Design - AIA West Virginia

Cabell County Schools

A New Elementary School for Davis Creek, In Construction

Renovations to Hite Saunders Elementary, In Construction

Renovations to Nichols Elementary, In Construction

A New Elementary School for Highlawn, 2020

2021 Merit Award for Excellence in Design - AIA West Virginia

Huntington Museum of Art

Isabelle Gwynn and Robert Daine Gallery Addition, Huntington, WV, Completed 2010

2011 Merit Award for Excellence in Design - AIA West Virginia

COMMUNITY INVOLVEMENT

Huntington Area Development Council, Board Member

Huntington Museum of Art, Board of Trustees,



Edward W.
Tucker
FAIA, Principal
Emeritus



Edward W. Tucker, FAIA, is President of Edward Tucker Architects, Inc. Edward manages the firm's overall operations with a focus on professional leadership, design and quality assurance. His expertise includes healthcare, education, research labs/clean rooms, industrial, religious, commercial, historic, and public architecture.

BIOGRAPHY

Shepherding the growth of the firm for over 25 years, Ed's leadership and guidance continues to inspire a culture of design excellence and professionalism. His focus on health care, public buildings/spaces, and adaptive reuse combine with an appreciation for context and history that result in sensitive, well-crafted architecture and interiors.

Volunteering at the local, state and national levels, his service was recognized in 2018 through elevation to the AIA's College of Fellows. Appointed to the West Virginia Board of Architects in 2014, he has served on numerous committees of the National Council of Architectural Registration Boards (NCARB). In 2022 he was elected Chair of NCARB's Mid-Atlantic Region.

EDUCATION

University of Tennessee

Knoxville, Tennessee

Bachelor of Architecture, 1982 Magna Cum Laude

Denmark's International Studies

Copenhagen, Denmark

Architecture and Urban Design with an emphasis in Urban Planning and Housing, 1981 Semester Study

REGISTRATIONS

National Council of Architectural Registration Boards (NCARB)

West Virginia, Kentucky and Ohio

PROFESSIONAL AFFILIATIONS

AIA College of Fellows

2018

WV Board of Architects

Secretary, 2014–present

NCARB

Chair, Mid-Atlantic Region, 2022- present

Regional Leadership Committee

Diversity, Equity and Inclusion Committee

Architects Registration Exam (ARE) Writing

Committee, Member and Division Coordinator,
2016-2022

American Institute of Architects (AIA)

Regional Director, Virginias Region, 2007 - 2010

AIA West Virginia Chapter

President, Director-Past President, VP-President

Elect, Director, 1998 - 2005

COMMUNITY INVOLVEMENT

Huntington Federal Savings Bank

Director, 2009 - present

City of Huntington Planning Commission

Chair, 2011 -2020

Building Code Board of Appeals

Chair 1997-1999

Huntington Museum of Art

2011 - 2014, 2018 - present

Rotary Club of Huntington

Director 2003 - 2005, 2016 - 2018

Huntington Symphony Orchestra

Board of Directors 2003 - 2009

Tri-State Council Boy Scouts of America

Executive Board 1999 - 2007



George (Eddie) Bumpus AIA



George E. (Eddie) Bumpus started his career as a draftsman with Holderby Engineering, Inc. in St. Albans, WV. While working full time learning Plumbing/Mechanical/Electrical engineering design, Eddie attended West Virginia State University at night for fifteen years where he earned an Associate of Applied Science degree in Construction Management and a Bachelor of Science degree in Architectural Technology. After working in engineering for more than twenty years, Eddie decided to fulfill his lifelong dream of becoming an architect and started his path to licensure.

BIOGRAPHY

Eddie received his architectural registration in 2003 and passed the LEED AP test in 2009 while working on the State of West Virginia's first LEED Gold building design. Eddie's participation and dedication to the design of this project helped it receive a merit award in Sustainable design from the West Virginia Society of Architects.

Eddie's experience includes commercial, industrial, primary and secondary education, religious, government, public housing, retail, higher education and residential projects. For the past fifteen years Eddie has been heavily involved with lighting design of commercial buildings.

EDUCATION

West Virginia State University

Institute, WV

Associate of Applied Science, Construction Management, 1989

Bachelor of Science, Architectural Technology, 1993

REGISTRATIONS

Registered Architect - Arizona (inactive),
West Virginia

Green Building Certification Institute, LEED AP

PROFESSIONAL AFFILIATIONS

American Institute of Architects,
West Virginia Chapter

Illuminating Engineering Society (IES) Inactive

PROJECT EXPERIENCE

Bluefield State University

Heritage Village Dormitories, Bluefield, WV

Medical Education Center - Renovations for the College of Allied Health, Bluefield, WV, 2024

Phased Renovation - In Design

Signet Real Estate

Marshall University Stephen J. Kopp School of Pharmacy, 2019,
with Perkins + Will

West Virginia State University

F. Ray Power Building Renovations, Institute, WV

Marshall University

Robert C. Byrd Biotechnology Science Center - Animal Research Facility Expansion, Huntington, WV, 2018

Cabell County Schools

A New Elementary School for Davis Creek, 2022

A New Elementary School for Highlawn, 2020

2021 Citation Award for Achievement in Architecture - AIA West Virginia

Cabell County Public Libraries

A New Library for Barboursville, Barboursville, WV

2021 Merit Award for Sustainable Design Excellence - AIA West Virginia

Coalfield Development Corporation

Nenni Buildings Rehabilitation, Matewan, WV

Fort Gay High School Rehabilitation, Fort Gay, WV

ASM Global

Mountain Health Arena, Huntington, WV, Phased Exterior and Interior Renovations, 2019-present

Raceland-Worthington Independent School District

New Raceland Middle School, Raceland, KY

Marshall University, Herdzone Stadium Team Store



Amber Yost,
NCIDQ
Senior Interior
Designer



Amber Yost manages the Interior Design projects at Edward Tucker Architects, where she has contributed to a diverse range of sectors including higher education, healthcare, civic, K-12 education, and hospitality. She combines her knowledge of space planning, innovative design solutions, furniture specifications, and strategic signage implementation to deliver functional and aesthetically pleasing environments.

BIOGRAPHY

Amber embarked on her design journey by receiving a Bachelor of Science in Interior Design from West Virginia University in 2011. Dedicated to further enhancing her skills and knowledge of the profession, she completed the NCIDQ certification in 2023. Throughout her work with Edward Tucker Architects, Amber has developed a deep appreciation for how interior spaces can influence human behavior, productivity, and overall well-being.

Amber lives in Charleston with her husband, James, and their son, Oliver. She enjoys pottery, Broadway, traveling, and actively participating in both the Charleston and Huntington Communities

EDUCATION

West Virginia University

Morgantown, WV
Bachelor of Science, Interior Design - 2011

University of Hertfordshire

Hatfield, England
Contemporary Applied Arts - 2010 Spring Semester

REGISTRATIONS

Council for Interior Design Qualification
NCIDQ - 2023

CURRENT & PAST COMMUNITY INVOLVEMENT

West Virginia Symphony League

Board Member, Secretary

YWCA Girl's Night Out Decor Committee

Charleston Main Streets Volunteer

WVU Sigma Alpha Iota Board Member, Editor

PROJECT INTERIORS EXPERIENCE

West Virginia State University

F. Ray Powers Building Renovations

Cabell Huntington Hospital

Outpatient Medical Center, In-Construction

Phased Renovation - In Construction

Perioperative Clinic & Registration

Pediatric Oncology Renovation, Edwards Comprehensive Cancer Center,

Emergency Department Uplift

Marshall University

Stephen J. Kopp School Of Pharmacy, with Perkins + Will,

Shewey Building Interior Renovations

Memorial Student Center Dining Renovations

Bluefield State University

Student Housing & Food Service Renovations - Health Sciences Campus

Medical Education Center - Renovations for the College of Allied Health

Phased Renovation - In Design

Mountwest Community & Technical College

Cybersecurity Renovations

In Design

Pediatric Dentistry, LLC

A New Dental Office, Flatwoods, KY

Cabell County Community Services Organization

A New Senior Wellness Center

In Construction

City of Huntington

Compass First Responders Wellness Center

PROACT

Addiction Care & Treatment Center





☎ 330-526-2713
📠 330-705-5973
✉ mhathaway@sbmce.com

EDUCATION:

The University of Akron —
BSEE/1992
Electrical Engineering

CREDENTIALS:

LEED Accredited Design
Professional

Registered Communications
Distribution Designer (RCDD)

Registered Professional
Engineer (Electrical) in Ohio,
West Virginia, Kentucky, North
Carolina, South Carolina, New
York, Michigan, Pennsylvania,
Tennessee, Florida, Texas and
Mississippi

Marlon Hathaway, PE LEED AP, RCDD

Vice President — Electrical Engineer

Marlon began his career as a consulting engineer with Scheeser Buckley Mayfield. He has since been involved with all aspects of electrical design including lighting, power distribution, telecommunications systems, fire alarm systems, video/security systems, access control systems and CATV/MATV distribution systems. Marlon's responsibilities include both budget and finish electrical construction estimates. He has worked closely with electrical contractors on design-build and design assist projects. Marlon has completed projects in Ohio, West Virginia, Kentucky, Pennsylvania, South Carolina and Florida.

Marlon has been project engineer and principal-in-charge on numerous higher education projects. These include NCAA athletic facilities, field houses, aquatic buildings and classroom/lecture halls. He has provided design services for resident halls, student centers and dining facilities for multiple universities. Marlon has also designed museum and art facilities.

Marlon is a BICSI RCDD (Registered Communications Distribution Designer) and a member of the Illuminating Engineering Society (IES). He has also served as treasurer for the Cleveland chapter of IES.

SELECT WORK EXPERIENCE:

- The Ohio State University, Columbus, OH
- The University of Akron, Akron, OH
- Kent State University, Kent, OH
- Marshall University, Huntington, WV
- Ohio University, Athens, OH
- Case Western Reserve University, Cleveland, OH
- Ursuline College, Pepper Pike, OH
- Bluffton University, Bluffton, OH
- Walsh University, North Canton, OH
- Hartwick College, Oneonta, NY
- Cuyahoga Community College, Cleveland, OH
- North Central State College, Mansfield, OH
- Muskingum College, New Concord, OH



☎ 330-526-2712
📠 330-612-2268
✉ vfeidler@sbmce.com

EDUCATION:

The Pennsylvania State University – BSAE/1996
Architectural Engineering

CREDENTIALS:

LEED Accredited Design Professional

Registered Professional Engineer (Mechanical) in Ohio, West Virginia, Kentucky, Michigan, Pennsylvania, Tennessee and Mississippi

Vincent J. Feidler, PE

LEED AP

Principal – Mechanical Engineer

Vince has served as lead mechanical engineer on a wide variety of projects throughout West Virginia, Kentucky, Ohio and Pennsylvania. He has extensive experience in all aspects of the design of mechanical systems for buildings, including advanced HVAC, plumbing and fire protection systems. He also acts as the project manager for his projects within the office, coordinating the design team's efforts to ensure a quality project, with emphasis on design deadlines and construction budgets.

Vince has designed systems for projects varying in nature, from small renovations and equipment replacement to major remodeling projects involving multiple building additions to freestanding structures. He has worked on many higher education projects ranging from small single classroom renovations to new standalone building additions. Vince has also been involved in historical renovations.

Vince approaches each project, regardless of size, with attention to detail. Having extensive knowledge of all facets of building planning, design and construction has proven invaluable throughout his career. Vince firmly believes the successful design and construction of any project lies in the ability to understand how a building needs to function as a whole.

SELECT WORK EXPERIENCE:

- The Ohio State University, Columbus, OH
- The University of Akron, Akron, OH
- Kent State University, Kent, OH
- Ursuline College, Pike, OH
- University of Toledo, Toledo, OH
- Washington State Community College, Marietta, OH
- Cuyahoga Community College, Cleveland, OH
- Lakeland Community College, Kirkland, OH
- Wesleyan College, Buchannan, WV
- Marshall University, Huntington, WV
- West Virginia School of Osteopathic Medicine, Lewisburg, WV

Lara Stroup, PE LEED AP BD + C

PROJECT MANAGER

EXPERIENCE

With post-graduate degrees in both structural engineering and architecture, Lara has a unique perspective when it comes to marrying necessary structural elements and desired facility aesthetics. Her past experience designing for educational environment has differed in size, geography + usage; her diverse project portfolio serves as an asset when producing smart + creative designs.

EXPERIENCE HIGHLIGHTS

- > Bluefield State University Health Science Building Renovation
- > Marshall University Henderson Center + Gullickson Hall HVAC Renovation
- > The Ohio State University Vet Simulation Lab Addition
- > The Ohio State University Woody Hayes Athletic Center Renovation
- > The Ohio State University McPherson Hall Renovation

REGISTRATIONS

PE Registered: Ohio, West Virginia

ASSOCIATIONS

Structural Engineers Association of Ohio, American Institute of Steel Construction, American Concrete Institute - Central Ohio Chapter



EDUCATION

- > Master of Science, Structural Engineer, University of Illinois, 2010
- > Master of Architecture, University of Illinois, 2010
- > Bachelor of Science, Architecture, The Ohio State University, 2007



JAMES YOST, PLA, ASLA

Landscape Architect Manager

CONTRACT ROLE

Project Manager; Point of Contact;
Landscape Architecture

YEARS OF EXPERIENCE 13

EDUCATION

BLA, Landscape Architecture, 2011,
West Virginia University

LICENSES + REGISTRATIONS

Professional Landscape Architect (PLA):
PA – 2019, #LA003329; WV – 2019,
#419

SPECIALIZED SKILLS

Landscape Architecture
Urban Planning + Design
Graphic Design
Comprehensive + Master Planning
Community + Redevelopment Planning
Geographic Information Systems (GIS)

AFFILIATIONS

American Society of Landscape Architects
– Member 2009-Current
West Virginia Chapter – American Society
of Landscape Architects
– Member, 2009-Current
– Public Relations Chair, 2013-2015
– Trustee, 2023-Current
Kanawha Valley Leadership Class 2018
West Virginia Leadership Class 2021

Mr. Yost specializes in landscape architecture and urban planning. Serving as a Landscape Architect Manager in our Charleston, WV office for GAI Consultants, he coordinates projects and marketing activities throughout the Northeast region. In this capacity, Mr. Yost brings 13 years of experience on a diverse range of projects covering all aspects of landscape architectural design and planning in both the public and private sector. His strong ability to communicate project knowledge to the public and clientele to accomplish a collaborative design approach for each project. His further skills include use of rendering and graphics tools, such as the Adobe Suite, SketchUp, Lumion, ArcMap, and AutoDesk software. By utilizing these programs, Mr. Yost provides visual assistance in all areas of project development, such as project presentation, project funding, advertisements, proposal and qualification statement documentation, rendered master plans, and site-specific renderings.

HIGHLIGHTED PROJECT EXPERIENCE

- **Mountain Health Arena Entry Plaza, Huntington, West Virginia.** Lead Landscape Architect. The goal of this project was to expand the usefulness of a regional arena and meeting space. Working with local architects and the City, the project team developed a concept master plan for the renovation of the entrance plaza to the building. The final design offers multiple amenities meant to enhance the visitor experience at concerts, conventions, and other community events. Conference spaces were expanded to include outdoor space. For concertgoers, the plaza includes a covered stage for entertainment before the main event. Gathering spaces such as a fountain, firepits, and seating areas were also included to accommodate community events.
- **The Woodlands Retirement Community, Huntington, West Virginia.** The Woodlands Retirement Community, located in Huntington, is one of West Virginia's premier senior community and care centers. The facility boasts 171 acres of spectacular property overlooking the area's hills and valleys, and provides various types of living experiences, ranging from assisted living to independent cabins along a ridge top. While the community has successfully managed property improvements, they have engaged GAI to assist in the development of a multi-phase master plan to serve as a visual goal for future projects at The Woodlands. The team has developed a graphic master plan that is segmented into four phases of development. Additional projects have been highlighted on the master plan and may be developed on an as-needed basis. Subsequent phases include improvements to the grounds through landscaping, parking, site amenities, and pedestrian connections. As landscaping for the 171-acre property was crucial for the future enhancements of The Woodlands, CSG developed a comprehensive landscape manual for future planting needs, as well as a maintenance guide for existing planting.
- **Barboursville Sports Complex, Barboursville, West Virginia.** Lead Landscape Architect. GAI's Community Solutions Group (CSG) worked with local architects and the Village of Barboursville to develop a master plan and construction documents for improvements to an existing recreational facility. Although the existing facility was largely set up for soccer, the client wished to add synthetic turf fields that could host multiple sports, therefore increasing the use of the space. To meet this goal, CSG developed a master plan that included the addition of three synthetic turf fields striped for multiple sports. Additionally, the project team proposed improved pedestrian circulation, new parking areas, shade structures, lighting, and other site amenities. The project team also took careful consideration into enhancing existing amenities, such as perimeter improvements to the firing range.
- **Taylor Memorial Park, Brockway, Pennsylvania.** Landscape Architect on record. Revitalization that will transform the existing park to include greenspace, playground, baseball fields, soccer fields, football fields, dek hockey, amphitheater, plaza space, lighting/safety improvements, and various other infrastructure improvements.



JEREMY YOUNG, PE

Assistant Engineering
Manager

GAI CONSULTANTS, INC.

CONTRACT ROLE

Civil Engineering
Site Development

YEARS OF EXPERIENCE 12

EDUCATION

MS, Engineering Management, 2017,
Marshall University

BS, Civil Engineering, 2012, Marshall
University

LICENSES + REGISTRATIONS

Professional Engineer (PE): WV – 2017,
#22222

SPECIALIZED SKILLS

Civil Engineering
Post Construction Stormwater
Management
Site Development
Erosion and Sediment Control

Mr. Young is a detail-oriented Professional Engineer with 12 years of engineering focused work experience. He is knowledgeable about the development of design drawings for site development, linear projects (natural gas and electric transmission), stormwater management, and roadway projects utilizing various computer aided design products. Mr. Young has led teams of multiple consultants and participated in agency meetings to achieve project goals.

HIGHLIGHTED PROJECT EXPERIENCE

- **Ohio Valley Medical Center Demolition, Wheeling, West Virginia.** Demolition project including the removal of building and infrastructure of a dilapidated structure. Site was to be turned into a temporary gravel lot to maintain existing site imperviousness. Project was to permit site as a temporary condition for a future building project. Project work included plan development, grading, erosion and sediment control, stormwater management, and NPDES permitting through West Virginia Department of Environmental Protection.
- **Westmorland Fire Station, Huntington, West Virginia.** New construction project for site development. Site was to be turned from an open space to new building. Project work was to develop plans for grading, drainage, post construction stormwater management, and erosion and sediment control. The project also involved MS4 permitting in the city of Huntington, WV.
- **Bard Building Demolition, Baltimore City, Maryland.** Demolition project including the removal of building and infrastructure of a dilapidated structure. Site was to be turned into a temporary open space. Project was to permit site as a temporary condition for a future building project. Project work included plan development, grading, erosion and sediment control, stormwater management, and permitting through Maryland Department of the Environment.
- **Black Betsy Phase III Archaeological Study, Putnam County, West Virginia.** Project was in support of an ongoing archaeological study to clear a site in the Kanawha River valley for a new development project. Project work included plan development, erosion and sediment control, NPDES Permitting, and site construction monitoring.
- **Rec and Park Projects, Baltimore City, Maryland.** Multiple park renovation projects. Parks typically included recreational fields, playgrounds, walking trails, stairs, terraced seating, and shelters. Project work included plan development, grading and erosion and sediment control.
- **WV 45, WVDOT, Berkeley County, West Virginia.** WVDOT widening project for WV 45. Project work included intersection design, temporary traffic control, and maintenance of traffic. Project used MicroStation products for drawing development.
- **Confidential Electric Transmission Projects, West Virginia.** Multiple projects and clients. Project work included plan development, erosion and sediment control, and NPDES permitting. Projects generally included right of way clearing and design of small sites for the tower locations.
- **Confidential Stream and Wetland Restoration Project, West Virginia.** Multiple projects. Projects were to develop natural looking streams and wetlands in areas where the natural streams and/or wetlands has been impacted due to construction activities.
- **Confidential Compressor Station and Supporting Facilities Projects, Ohio, Virginia, and West Virginia.** Multiple projects and clients. Plan development, site grading, drainage, erosion and sediment control.



JACOB BURNS, PLA, ASLA

Senior Landscape Architect II
Role: Landscape Architecture

Jacob specializes in landscape architecture and related fields. His scope of work includes research, mapping, visioning,

site planning, design development, and construction documentation. Jacob is proficient with a wide range of mapping and design programs, including Adobe Creative Suite, AutoCAD, SketchUp, and ArcGIS. Additionally, his skills include hand drawing and hand rendering, which he uses to efficiently express design intent. Representative experience includes:

- Strategic Urban Renewal Plan for Downtown Charleston and Near West Side Districts, Charleston, WV
- Washington County Multi-Municipal Comprehensive Plan, Washington County, PA
- Washington County Comprehensive Parks and Recreation Plan, PA
- Kanawha Boulevard Walk and Bikeway Trail Master Plan, Charleston, WV
- Mingo Creek County Park, Washington County, PA
- Parks and Recreation PROS Report and Valley Park Master Plan, Putnam County, WV



ANDREW SHEPPARD, PLA, ASLA, LEED AP

Planning and Urban Design Manager
Role: Landscape Architecture

Mr. Sheppard has 20 years of experience in visioning, design development, and implementation for urban redevelopment areas,

livable transportation, master planned communities, resort and tourism planning, employment centers, and campus planning for public, private, and federal clients. He is focused on creating livable communities and has experience working at all scales of development on a broad range of residential, commercial, and institutional projects throughout the world. He has developed an understanding that place is defined by careful attention to character, scale, authenticity, and appreciation of context. Mr. Sheppard is known for his ability to listen to clients—translating their ideas into compelling plans—and crafting achievable implementation strategies to

bring their vision to reality. His project involvement includes mixed-use communities, downtown redevelopment areas, transit-oriented development, walkability, and complete street studies as well as Vision and Design Implementation Books. Representative experience includes:

- Negley Station Area Plan, Port Authority of Allegheny County (PAAC) Pittsburgh, Pennsylvania
- Denning Drive Complete Street, Winter Park, Florida
- 63rd Street TOD Corridor Study, Chicago, Illinois
- Mount Joy Main Street and Station Area Plan, Mount Joy, Pennsylvania

RUBY COLE, LEED GREEN ASSOCIATE



Landscape Designer, Planner
Role: Landscape Architecture

Ms. Cole works in the landscape architecture field with knowledge in master planning, sustainable design, and visualization graphics. Prior experience in the field consists of mostly residential

designs and horticulture practices. All other knowledge is based off school education at West Virginia University. Skills include GIS, Adobe Suite, Sketchup, Lumion, AutoDesk software. Use of these programs, Ms. Cole aids in projects. Representative experience includes:

- City Center Business Improvement District Strategic Masterplan, Charleston, West Virginia
- Rotary and Memorial Park, Westmoreland, West Virginia
- Prindle Field Park Master Plan and Construction, Huntington, West Virginia
- Burt Residence Master Planning, Alexandria, Virginia
- Martinkat Residence Master Planning, Clarksburg, West Virginia
- Core Solar LLC Solar Array Visualization Analysis, Wilmington, Ohio
- West Side Pocket Park Master Planning, Charleston, West Virginia